

Sustainable development goals as an inspiration for Polish S3

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SDGs + societal challenges + Polish S3

Polish Strategy for Responsible Development

(examples)

Health

- Polish medical products
- Telemedicine

Responsible production

- Biotechnology Development**
- Bio Hub

Green

- ~~Economy~~ Ecofriendly
- Ecobuildings

Safe and optimal production

- Smart Mine

New technologies addressing people's needs

- High speed trains, - Drones for security and healthcare and clean air
- Sustainable ships

Sustainable Development Goals



Societal challenges (PL research network)

Health

Sustainable economy & energy

Smart mobility

Digital transformation

Polish S3 priorities

Healthy society

NSS 1
Healthy society

Agri-food, forestry-wood & environmental bioeconomy

NSS 2
Agri-food/forestry-wood

NSS 3
Bioeconomy & chemistry

Sustainable energy industry

NSS 4
High efficient energy

NSS 5
Smart construction

NSS 6
Eco-friendly transport

Circular economy – water, raw materials, waste

NSS 7
Circular economy

Innovative technologies & industrial processes

NSS 8
Nanomaterials

NSS 9
Electronics and photonics

NSS 10
ICT

NSS 11
Printed electronics

NSS 12
Robotics

NSS 13
Creative industries

NSS 14
Maritime industries



Technology roadmapping - Poland

Economic,
societal and
environmental
needs

Global trends
and
challenges

Identification
of key
technologies
and R&D &I
priorities

What is to define?

- 1) **Know-when** (*time horizon*)
- 2) **Know-why** (*aim, trends & drivers*)
- 3) **Know-what** (*tangible solutions*)
- 4) **Know-how**
 - Resources
 - Technologies
 - Capacities
 - Competences
 - Financing
 - Partnerships
 - Infrastructure
- 5) **Know-who** (*implementing body*)

Thank you for
your attention

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